

ABSTRACT OF THE DISCLOSURE

A base station apparatus is used for a radio communication system which divides one cell into a plurality of sectors and communicates with a plurality of terminal stations according to TDMA via antennas which are provided for each of the sectors. The base station apparatus includes a frequency-based distributor and modulator unit which distributes each of channel data to be transmitted in correspondence with each of time slots of a plurality of transmission frequency-based channels, and modulates the distributed channel data to modulated signals, a sector-based distributor and multiplexer unit which distributes the modulated signals to sector-based channels which are prescribed in advance in correspondence with the time slots, and multiplexes the distributed modulated signals for each of the sector-based channels, and a channel connection controller which generates distribution control information of each of the transmission frequency-based channels and the sector-based channels depending on a channel connect or disconnect request.

25

30

35